

Data File : BM025560.D
Acq On : 14 Mar 2020 03:15
Operator : CG/JU
Sample : L1786-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AC0

Quant Time: Mar 16 06:48:26 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 16 06:44:28 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	3762	0.40	ng/ul	0.00
2) Naphthalene-d8	10.42	136	16741	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.28	164	12125	0.40	ng/ul	0.00
10) Phenanthrene-d10	0.00	188	0	0.00	ng/ul	-17.03
16) Chrysene-d12	21.21	240	19949	0.40	ng/ul	0.00
20) Perylene-d12	23.39	264	18436	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.01	152	8683	0.29	ng/ul	0.00
14) Fluoranthene-d10	19.05	212	21330	0.00	ng/ul	0.00

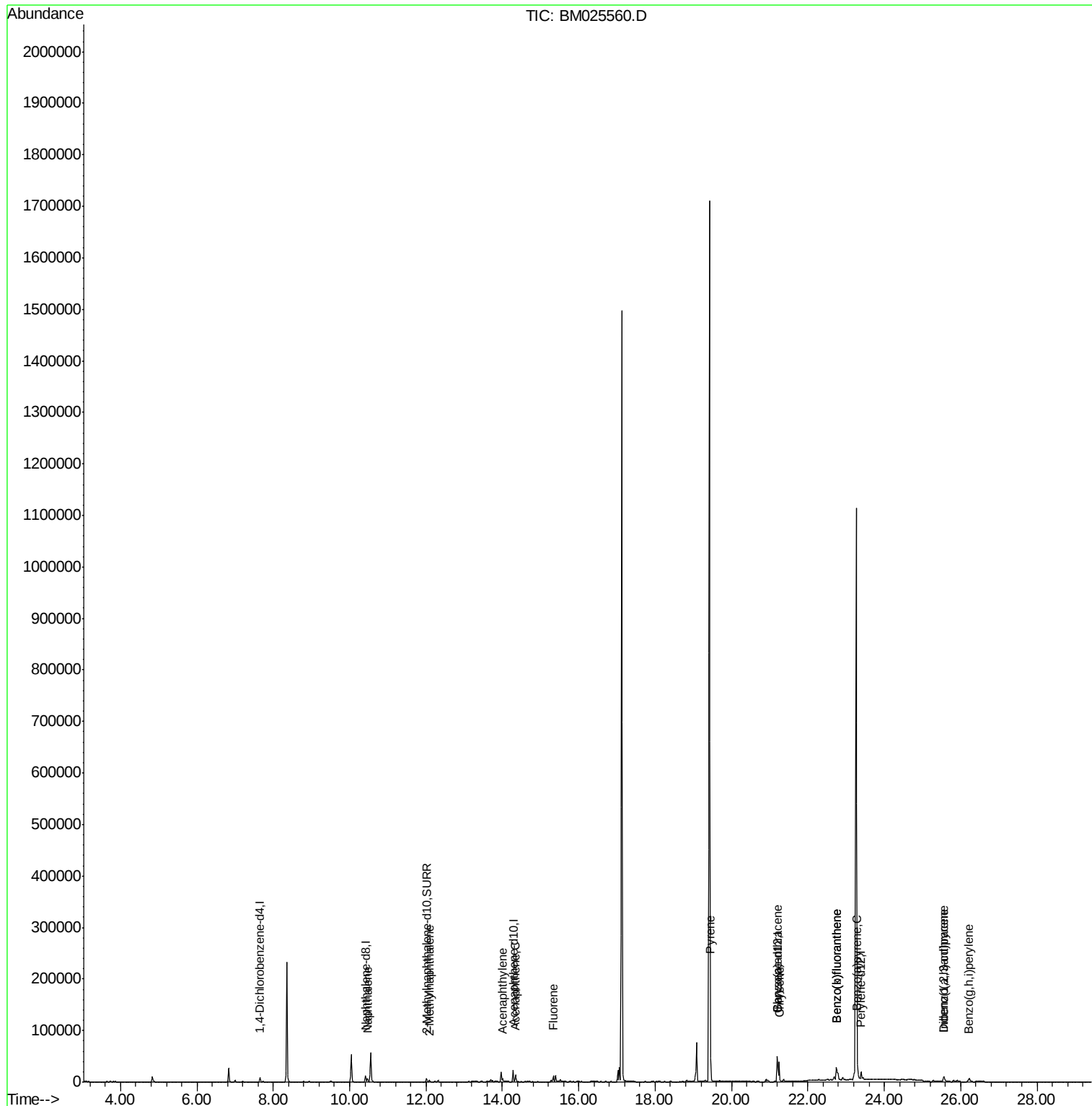
Target Compounds				Qvalue		
3) Naphthalene	10.47	128	9666	0.195	ng/ul	100
5) 2-Methylnaphthalene	12.09	142	2015	0.057	ng/ul	99
7) Acenaphthylene	14.00	152	2695	0.054	ng/ul#	83
8) Acenaphthene	14.35	153	7820	0.180	ng/ul	99
9) Fluorene	15.33	166	7340	0.139	ng/ul	98
17) Pyrene	19.45	202	55420	0.619	ng/ul	97
18) Benzo(a)anthracene	21.20	228	38145	0.535	ng/ul	98
19) Chrysene	21.25	228	35788	0.447	ng/ul	99
21) Benzo(b)fluoranthene	22.75	252	56176	0.770	ng/ul	99
22) Benzo(k)fluoranthene	22.75	252	56176	0.734	ng/ul	99
23) Benzo(a)pyrene	23.30	252	27196	0.449	ng/ul	98
24) Indeno(1,2,3-cd)pyrene	25.56	276	15451	0.188	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.57	278	4891	0.071	ng/ul#	79
26) Benzo(g,h,i)perylene	26.22	276	13395	0.188	ng/ul#	96

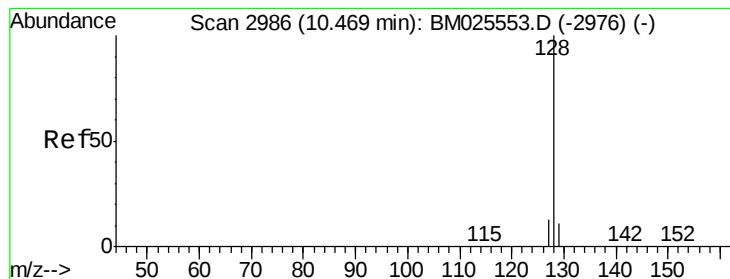
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.195 ng/ul

RT: 10.47 min Scan# 2986

Delta R.T. -0.00 min

Lab File: BM025560.D

Acq: 14 Mar 2020 03:15

Instrument :

BNA_M

ClientSampleId :

C0AC0

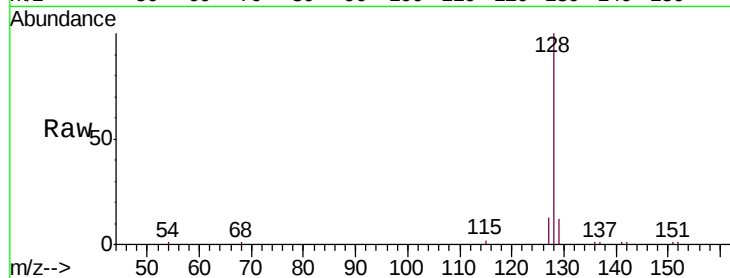
Tgt Ion:128 Resp: 9666

Ion Ratio Lower Upper

128 100

129 11.8 9.4 14.0

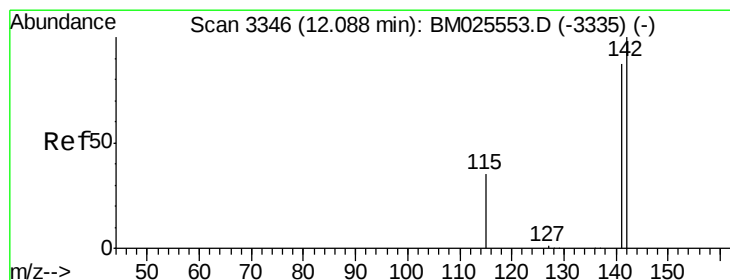
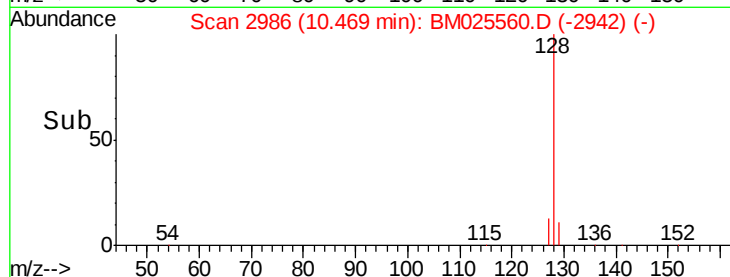
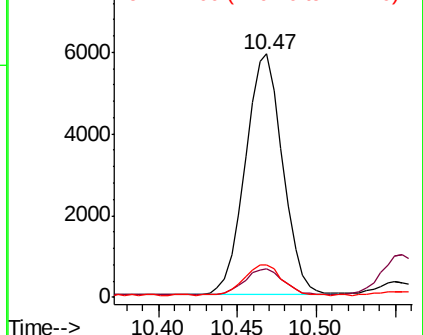
127 13.3 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 0.057 ng/ul

RT: 12.09 min Scan# 3346

Delta R.T. -0.00 min

Lab File: BM025560.D

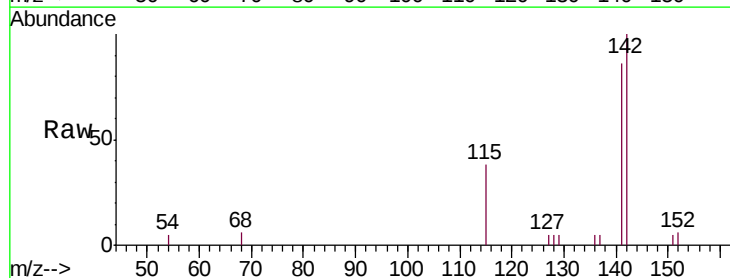
Acq: 14 Mar 2020 03:15

Tgt Ion:142 Resp: 2015

Ion Ratio Lower Upper

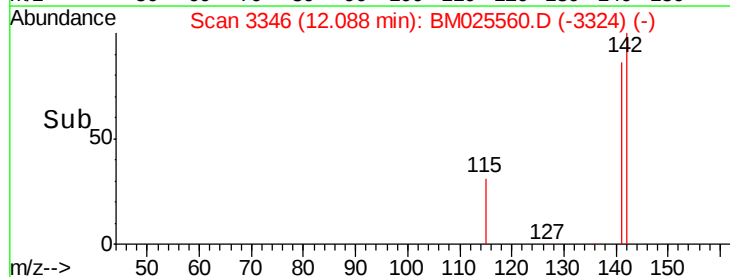
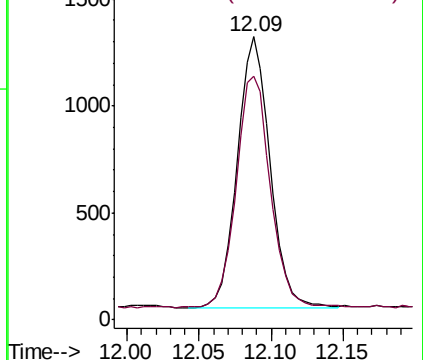
142 100

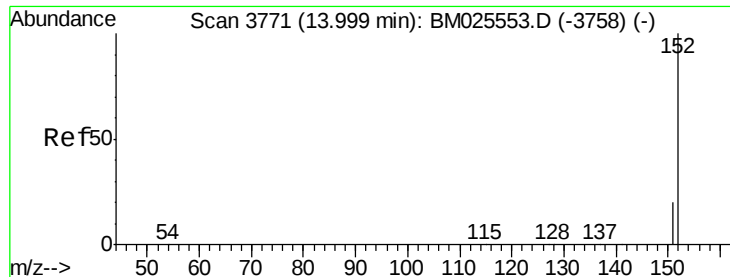
141 88.5 69.8 104.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.054 ng/ul

RT: 14.00 min Scan# 3771

Delta R.T. -0.00 min

Lab File: BM025560.D

Acq: 14 Mar 2020 03:15

Instrument :

BNA_M

ClientSampleId :

C0AC0

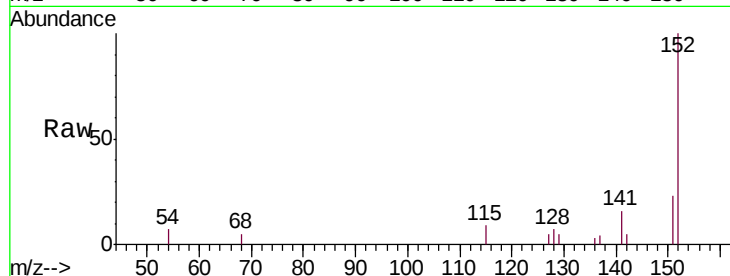
Tgt Ion:152 Resp: 2695

Ion Ratio Lower Upper

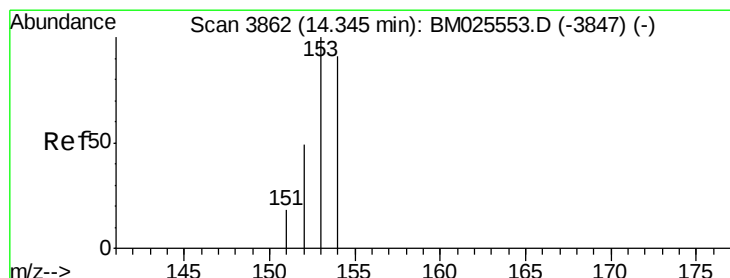
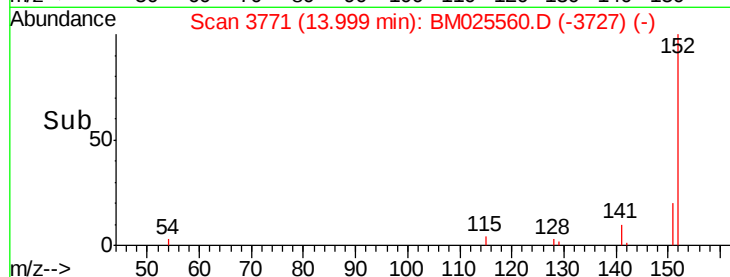
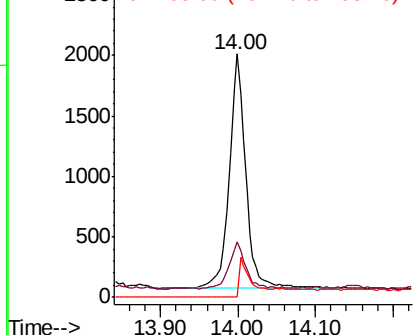
152 100

151 23.0 16.2 24.2

153 0.0 10.6 16.0#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#8

Acenaphthene

Concen: 0.180 ng/ul

RT: 14.35 min Scan# 3862

Delta R.T. -0.00 min

Lab File: BM025560.D

Acq: 14 Mar 2020 03:15

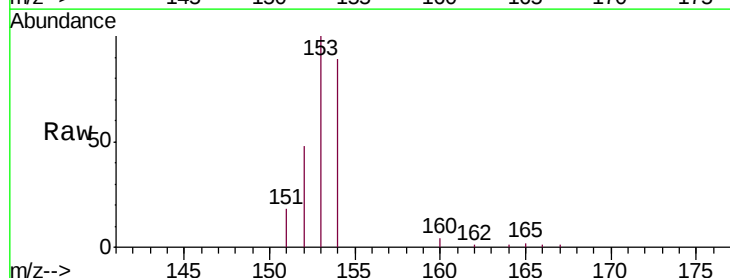
Tgt Ion:153 Resp: 7820

Ion Ratio Lower Upper

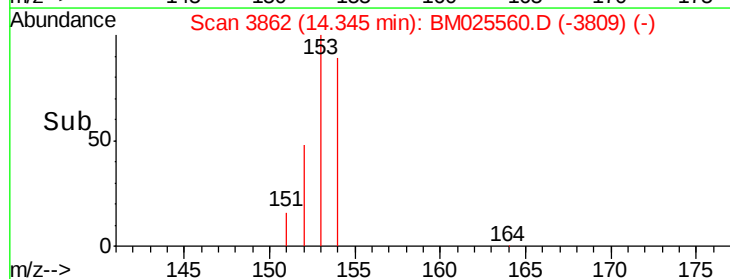
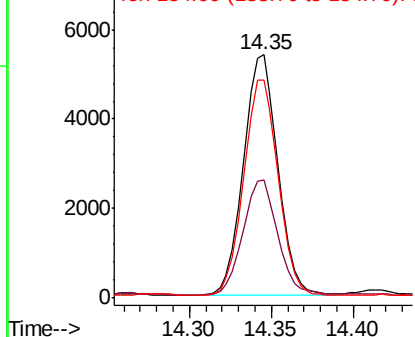
153 100

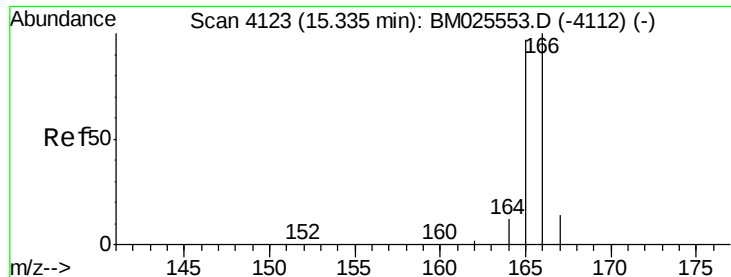
152 48.4 39.5 59.3

154 89.5 71.7 107.5



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E

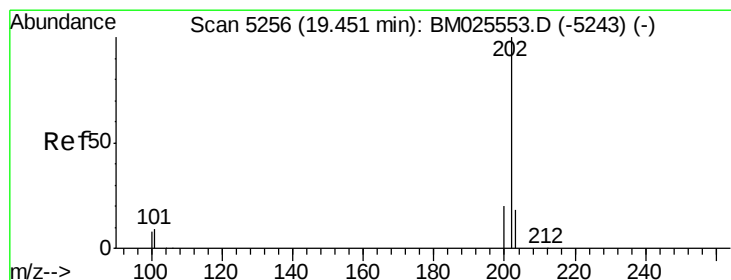
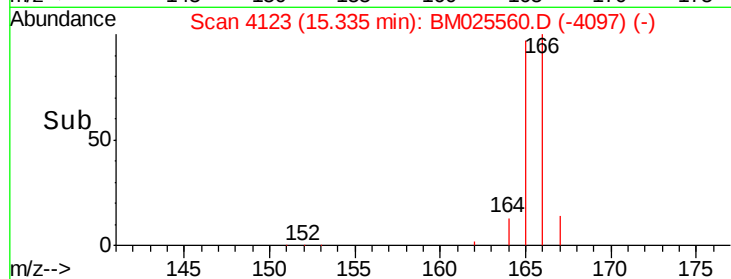
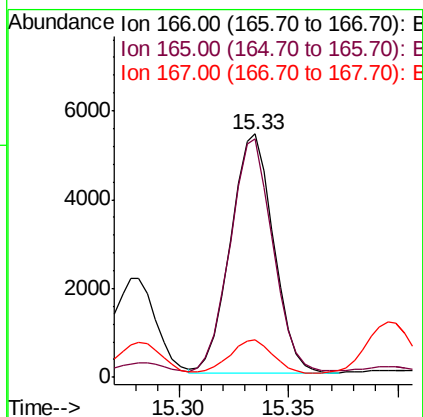
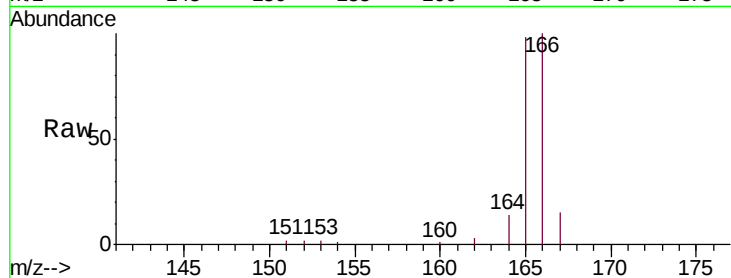




#9
Fluorene
 Concen: 0.139 ng/ul
 RT: 15.33 min Scan# 4123
 Delta R.T. -0.00 min
 Lab File: BM025560.D
 Acq: 14 Mar 2020 03:15

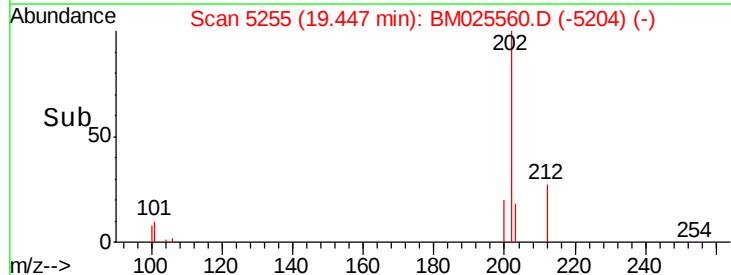
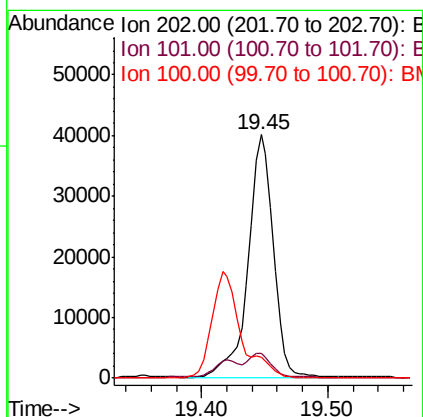
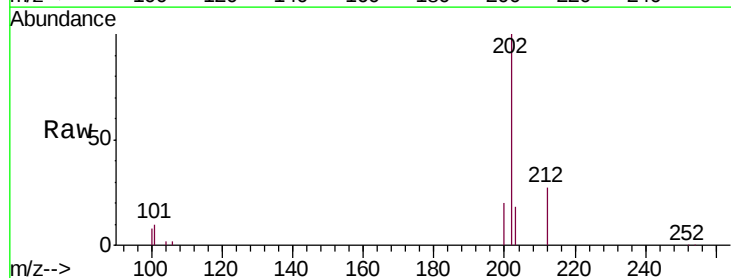
Instrument :
 BNA_M
 ClientSampleId :
 C0AC0

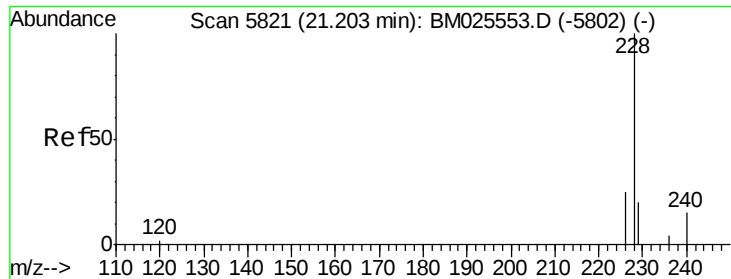
Tgt Ion:166 Resp: 7340
 Ion Ratio Lower Upper
 166 100
 165 97.9 76.8 115.2
 167 15.5 11.2 16.8



#17
Pyrene
 Concen: 0.619 ng/ul
 RT: 19.45 min Scan# 5255
 Delta R.T. -0.00 min
 Lab File: BM025560.D
 Acq: 14 Mar 2020 03:15

Tgt Ion:202 Resp: 55420
 Ion Ratio Lower Upper
 202 100
 101 10.1 7.1 10.7
 100 8.4 6.0 9.0





#18

Benzo(a)anthracene

Concen: 0.535 ng/ul

RT: 21.20 min Scan# 5818

Delta R.T. -0.01 min

Lab File: BM025560.D

Acq: 14 Mar 2020 03:15

Instrument :

BNA_M

ClientSampleId :

C0AC0

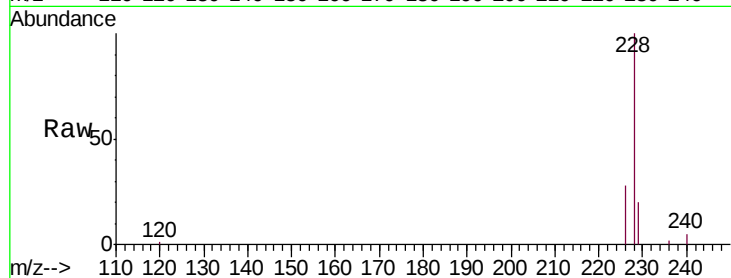
Tgt Ion:228 Resp: 38145

Ion Ratio Lower Upper

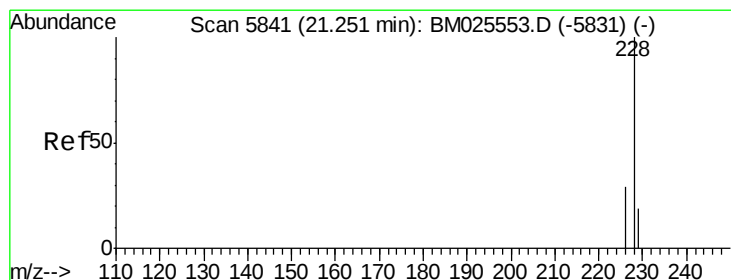
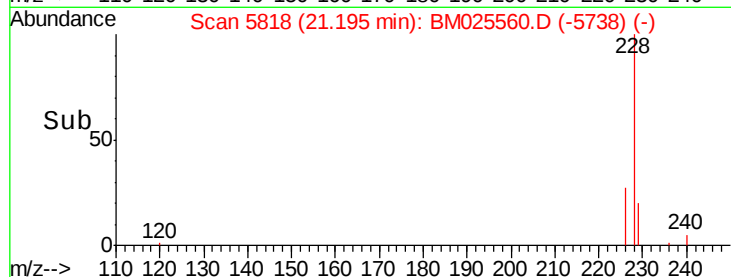
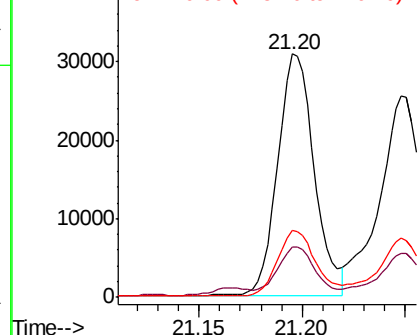
228 100

229 20.4 15.6 23.4

226 27.5 21.1 31.7



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E



#19

Chrysene

Concen: 0.447 ng/ul

RT: 21.25 min Scan# 5840

Delta R.T. -0.00 min

Lab File: BM025560.D

Acq: 14 Mar 2020 03:15

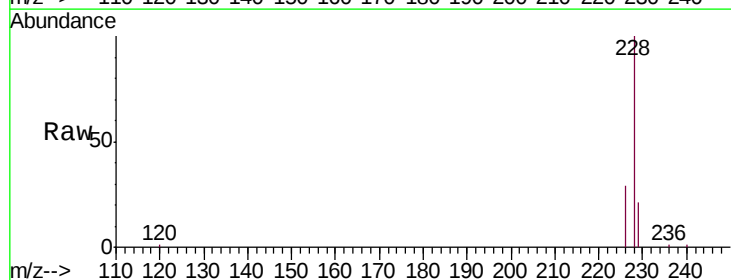
Tgt Ion:228 Resp: 35788

Ion Ratio Lower Upper

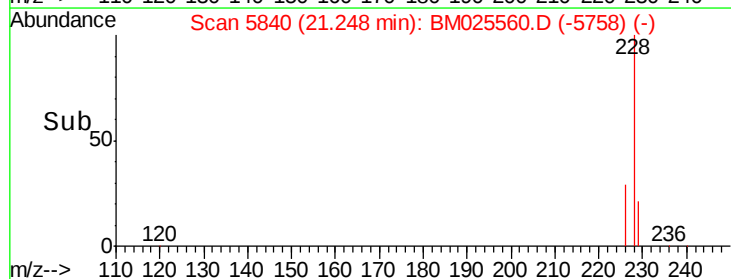
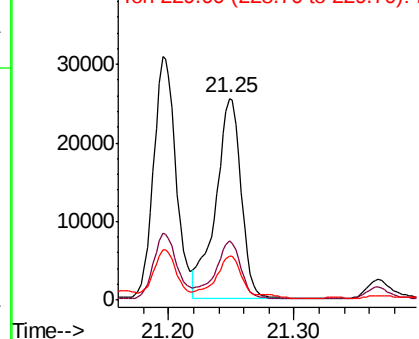
228 100

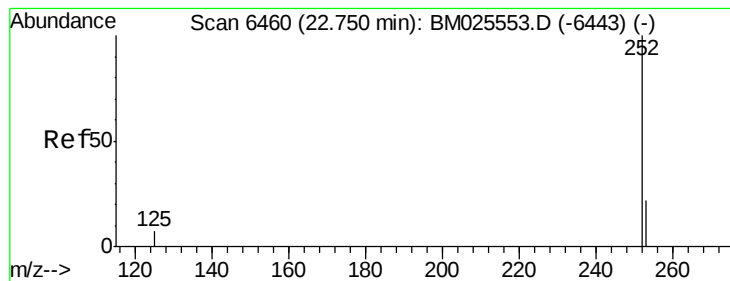
226 29.2 23.6 35.4

229 21.5 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.770 ng/u1

RT: 22.75 min Scan# 6459

Delta R.T. -0.00 min

Lab File: BM025560.D

Acq: 14 Mar 2020 03:15

Instrument :

BNA_M

ClientSampleId :

C0AC0

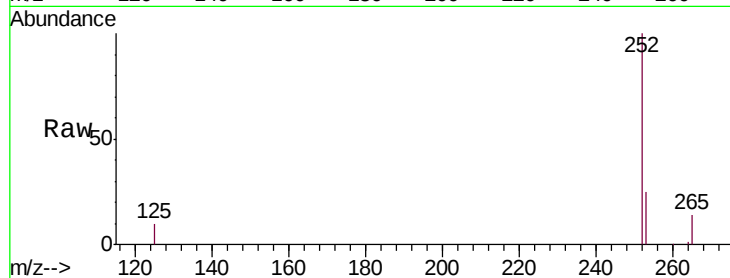
Tgt Ion:252 Resp: 56176

Ion Ratio Lower Upper

252 100

253 25.3 0.0 50.2

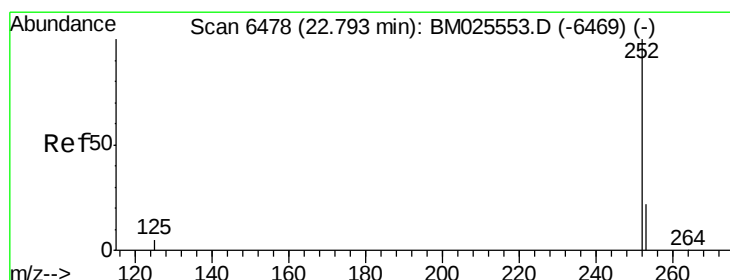
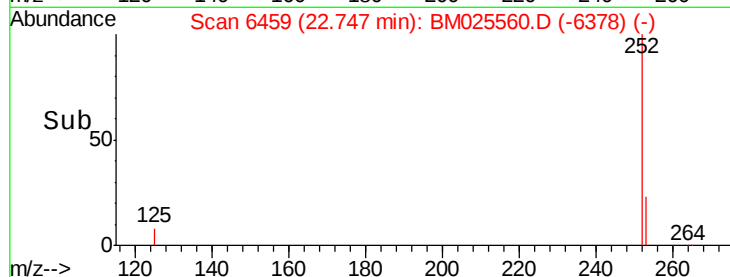
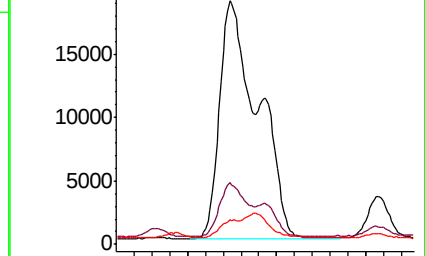
125 10.0 0.0 17.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#22

Benzo(k)fluoranthene

Concen: 0.734 ng/u1

RT: 22.75 min Scan# 6459

Delta R.T. -0.05 min

Lab File: BM025560.D

Acq: 14 Mar 2020 03:15

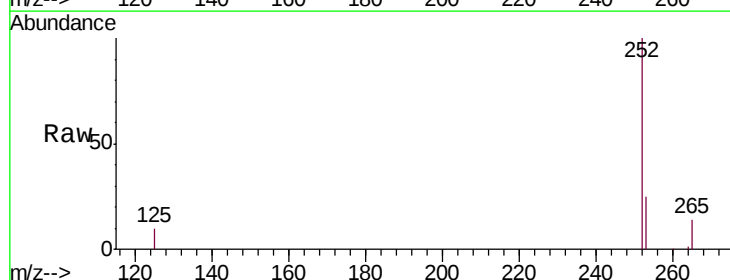
Tgt Ion:252 Resp: 56176

Ion Ratio Lower Upper

252 100

253 25.3 19.8 29.8

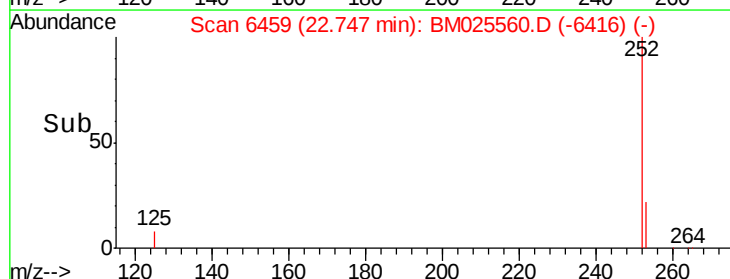
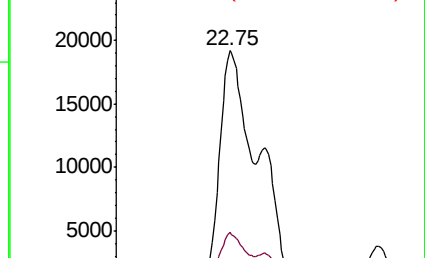
125 10.0 7.1 10.7

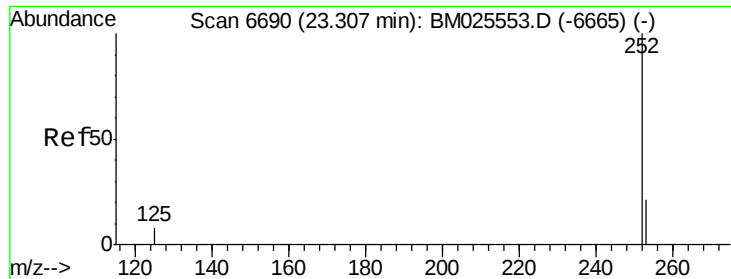


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.449 ng/ul

RT: 23.30 min Scan# 6688

Delta R.T. -0.00 min

Lab File: BM025560.D

Acq: 14 Mar 2020 03:15

Instrument :

BNA_M

ClientSampleId :

C0AC0

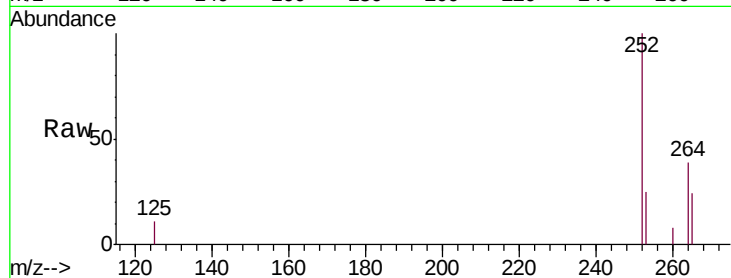
Tgt Ion:252 Resp: 27196

Ion Ratio Lower Upper

252 100

253 25.3 21.3 31.9

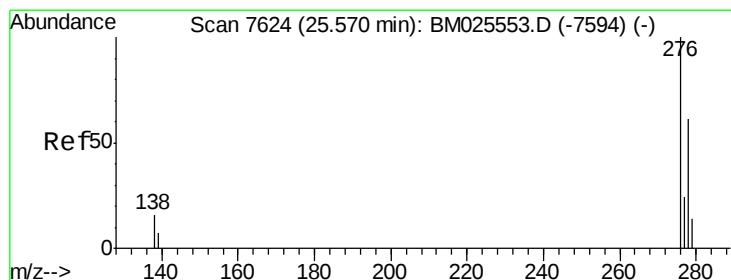
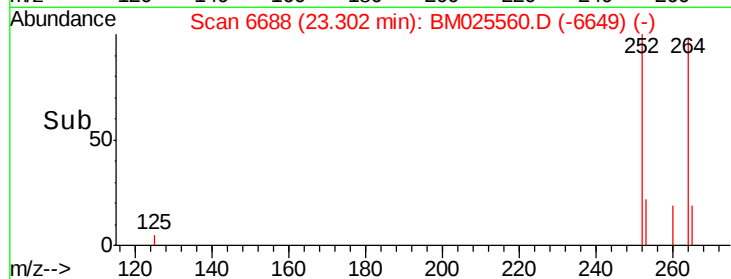
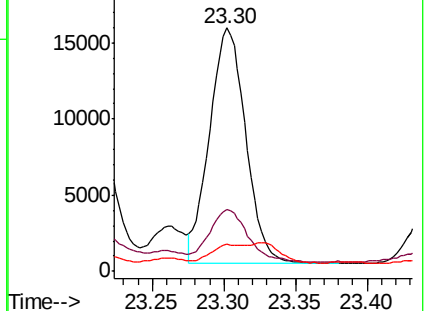
125 11.0 8.5 12.7



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.188 ng/ul

RT: 25.56 min Scan# 7620

Delta R.T. -0.01 min

Lab File: BM025560.D

Acq: 14 Mar 2020 03:15

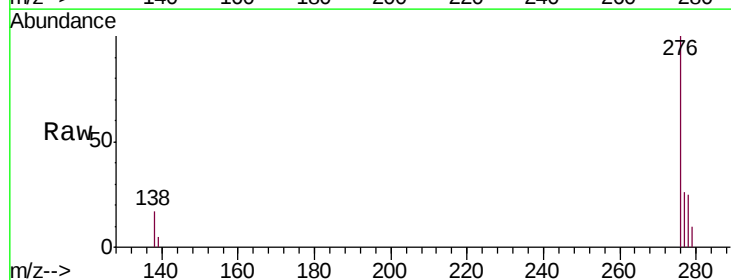
Tgt Ion:276 Resp: 15451

Ion Ratio Lower Upper

276 100

138 15.2 12.3 18.5

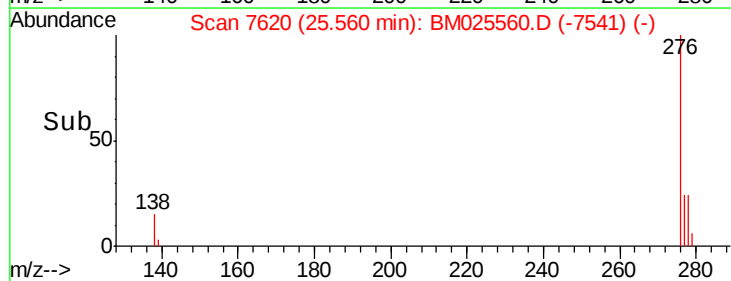
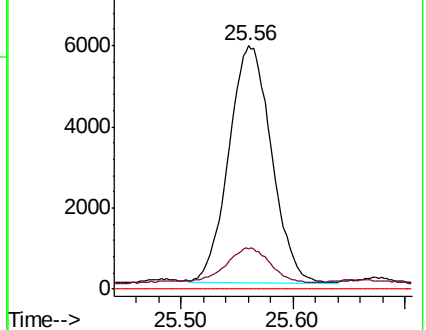
227 0.0 0.0 0.0

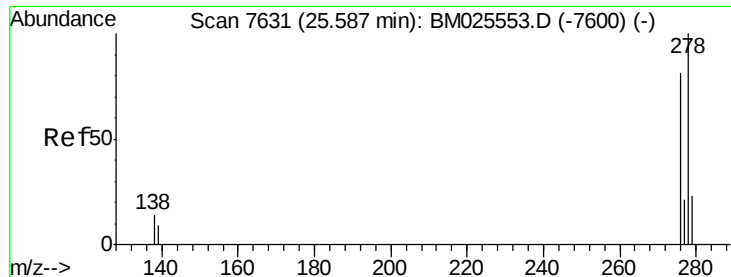


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E



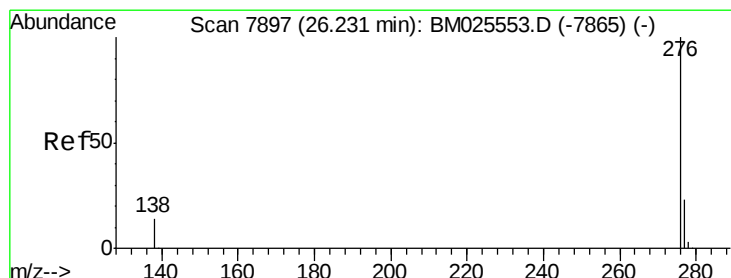
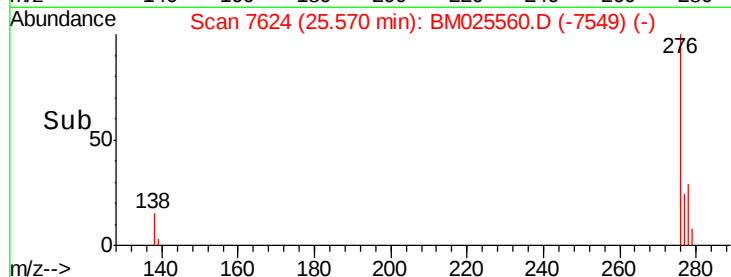
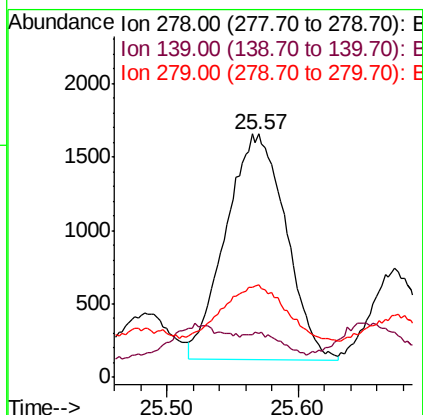
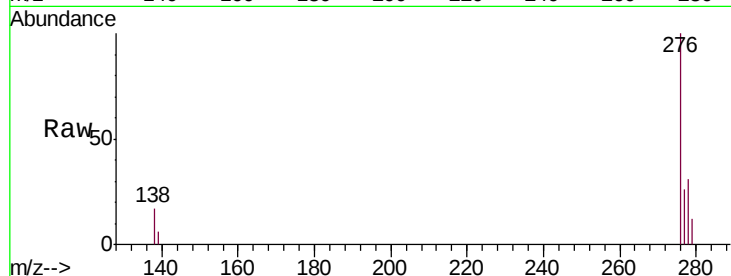


#25
Dibenzo(a,h)anthracene
Concen: 0.071 ng/ul
RT: 25.57 min Scan# 7624
Delta R.T. -0.02 min
Lab File: BM025560.D
Acq: 14 Mar 2020 03:15

Instrument :
BNA_M
ClientSampleId :
C0AC0

Tgt Ion: 278 Resp: 4891

Ion	Ratio	Lower	Upper
278	100		
139	17.9	9.0	13.6#
279	38.1	21.1	31.7#



#26
Benzo(g,h,i)perylene
Concen: 0.188 ng/ul
RT: 26.22 min Scan# 7893
Delta R.T. -0.01 min
Lab File: BM025560.D
Acq: 14 Mar 2020 03:15

Tgt Ion: 276 Resp: 13395

Ion	Ratio	Lower	Upper
276	100		
138	16.6	11.0	16.4#
277	25.5	19.8	29.6

